



Institute for Materials Science

UNCLASSIFIED

2016 IMS Summer School: Los Alamos Science Capabilities



Dave Clark

Director - National Security Education Center (NSEC)

Los Alamos National Laboratory

History of the Discovery of Plutonium and the Rearrangement of the Periodic Table

Wednesday, June 8, 2016

2:00 pm - MSL Auditorium

TA-03 - Bldg 1698 - Room A103

The IMS Summer School focuses on Science Capabilities at Los Alamos National Laboratory and is designed to expose our visitors to the broad range of great science performed at the Lab. Through the course of **seven talks** and **four site visits**, students will have a unique opportunity to learn about LANL directly from our top scientists and participate in facility tours.

Abstract: In this talk, Dave Clark, the Director of NSEC, will present the fascinating story of the production of ^{239}Pu from its first synthesis to the advent of large production reactors. This is a fascinating story of colorful personalities, and an intense scientific race in the shadows of World War II. Voluntarily kept secret by the discoverers during World War II, ultimately, the discovery of plutonium led to the rearrangement of the Periodic Table, a Nobel Prize, and changed the world. He will discuss this rich history, and share photos and video from the time.

*2016 IMS Summer School is sponsored by the Institute for Materials Science (IMS)
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